

What is Claimed is:

1. A vulcanizable rubber composition comprising a vulcanizable rubber and a precipitated silica having the following physico chemical properties:

BET surface area	35 to 350 m ² /g
BET/CTAB surface area ratio	0.8 to 1.1
Pore volume, PV	1.6 to 3.4 ml/g
Silanol group density (V ₂ = NaOH consumption)	6 to 20 ml
Average aggregate size	250 to 1500 nm
CTAB surface area	30 to 350 m ² /g
DBP value	150 to 300 ml/100 g
V ₂ /V ₁ by Hg porosimetry	0.19 to 0.46
DBP/CTAB	1.2 to 3.5.
2. The vulcanizable rubber composition of claim 1, wherein the particle fineness of said precipitated silica is less than or equal to 11 µm.
3. The vulcanizable rubber composition of claim 1, wherein the particle fineness of said precipitated silica is less than or equal to 10 µm.
4. A vulcanized rubber compound comprising a precipitated silica having the following physico chemical properties:

BET surface area	35 to 350 m ² /g
BET/CTAB surface area ratio	0.8 to 1.1
Pore volume, PV	1.6 to 3.4 ml/g
Silanol group density (V ₂ = NaOH consumption)	6 to 20 ml
Average aggregate size	250 to 1500 nm
CTAB surface area	30 to 350 m ² /g
DBP value	150 to 300 ml/100 g
V ₂ /V ₁ by Hg porosimetry	0.19 to 0.46
DBP/CTAB	1.2 to 3.5.

5. The vulcanized rubber compound of claim 4, wherein the particle fineness of said precipitated silica is less than or equal to 11 μm .
6. The vulcanized rubber compound of claim 4, wherein the particle fineness of said precipitated silica is less than or equal to 10 μm .